
MSDL installation for all systems

Installing the MSDL

The MSDL card is installed the same way for the STE, NT, RT, XT 21E, 51/51C, 61/61C, 71, and 81/81C systems. See [Figure 26](#) and [Table 25](#) for the port and interface switch settings.

The MSDL card can go into the following slots:

STE/21E	CE/PE Network Module slot 4–9
NT, 51/51C, 61/61C	CPU/Network Module slot 1–8, 13
XT, 71	Network Module slot 5–14
81/81C	Network Module slot 5–14

Refer to *X11 input/output guide* (553-3001-400) and *Multi-purpose Serial Data Link description* (553-3001-195) for more information.

Procedure 18
Installing the MSDL card

- 1** Determine module and slot location for the MSDL card. Refer to the list on the previous page.
- 2** Unpack and inspect the MSDL card.
- 3** Set the MSDL switch settings to correspond to [Table 25](#) and [Figure 26](#).
- 4** Insert the MSDL card into the selected card slot of the module following the card guides.
- 5** Observe the red LED on the MSDL faceplate. If it turns on, flashes three times, and stays on continuously, the MSDL is operating correctly but is not yet enabled.

If the LED turns on and stays on continuously without flashing three times, the card may be defective. Go to step 8.
- 6** Run and connect the cables: NT6D80 to QPC720 PRI J5 with a NTND26 cable.
- 7** Enable the MSDL card in LD 96.

If the red LED has not flashed three times, follow these steps:
- 8** Unplug the MSDL card and reinsert it. If the red LED still does not flash three times, leave the card installed for approximately 10 minutes to allow the card to be initialized.
- 9** After 10 minutes unplug the card, reinsert it, and if the card still does not flash three times, the card is defective and must be replaced.

Figure 26
MSDL card layout

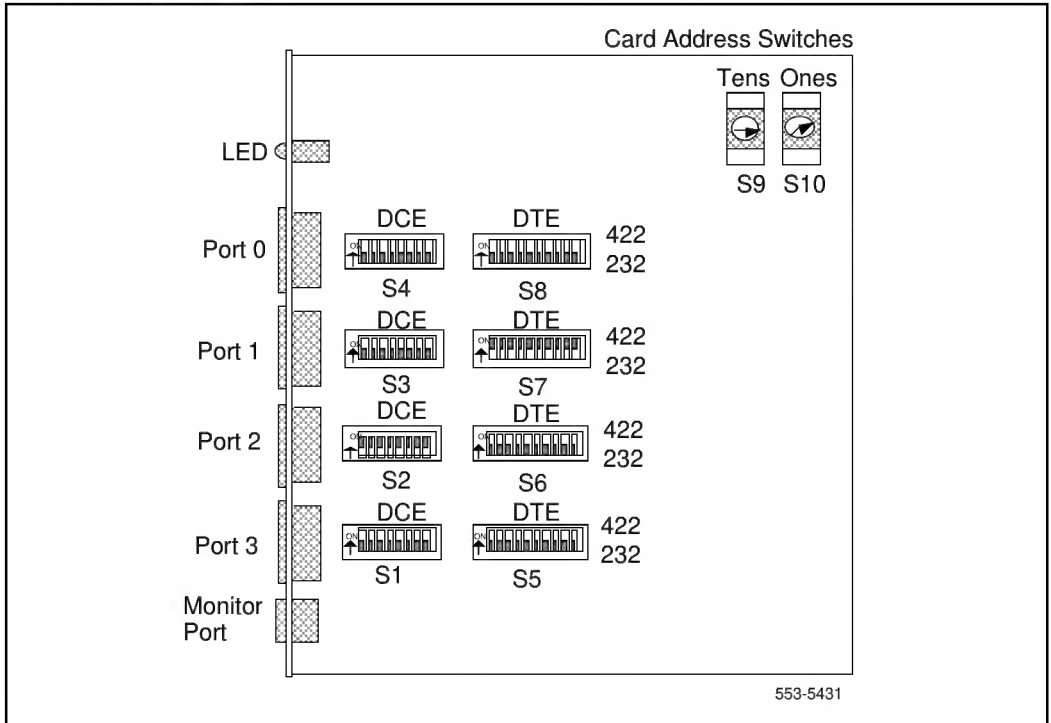


Table 25
MSDL switch settings

	Port 0—SW4	Port 0—SW8
RS-232-D	off off off off off off off off	off off off off off off off off off off
RS-422-A DTE	off off off off off off off off	on on on on on on on on on on on on
RS-422-A DCE	on on on on on on on on	off off off off off off off off off off
	Port 1—SW3	Port 1—SW7
RS-232-D	off off off off off off off off	off off off off off off off off off off
RS-422-A DTE	off off off off off off off off	on on on on on on on on on on on on
RS-422-A DCE	on on on on on on on on	off off off off off off off off off off
	Port 2—SW2	Port 2—SW6
RS-232-D	off off off off off off off off	off off off off off off off off off off
RS-422-A DTE	off off off off off off off off	on on on on on on on on on on on on
RS-422-A DCE	on on on on on on on on	off off off off off off off off off off
	Port 3—SW1	Port 3—SW5
RS-232-D	off off off off off off off off	off off off off off off off off off off
RS-422-A DTE	off off off off off off off off	on on on on on on on on on on on on
RS-422-A DCE	on on on on on on on on	off off off off off off off off off off

Procedure 19
Replacing the MSDL card

- 1** Disable the MSDL card in LD 96.
- 2** Disconnect MSDL to PRI cables.
- 3** Remove the faulty MSDL card.
- 4** Unpack and inspect the new MSDL card.
- 5** Set the MSDL switch settings to correspond to [Table 25](#) and [Figure 26](#).
- 6** Insert the new MSDL card into the selected card slot of the module following the card guides.
- 7** Observe the red LED on the MSDL faceplate. If it turns on, flashes three times, and stays on continuously, the MSDL is operating correctly but is not yet enabled.

If the LED turns on and stays on continuously without flashing three times, the card may be defective. Go to step 11.
- 8** Run and connect NT6D80 to QPC720 PRI J5 with a NTND26 cable.
- 9** Enable the MSDL card in LD 96.
- 10** Unplug the MSDL card and reinsert it. If the red LED still does not flash three times, leave the card installed for approximately 10 minutes to allow the card to be initialized.
- 11** After 10 minutes unplug the card, reinsert it, and if the card still does not flash three times, the card is defective and must be replaced.